Please amend the present application as follows:

Claims

The following is a copy of Applicant's claims that identifies language being added with underlining ("___") and language being deleted with strikethrough ("——"), as is applicable:

1.   (Currently amended) A method for caching an online service on a local point of presence, the online service being hosted on a remote host computer, the method comprising:

receiving a request, at a local point of presence, to access an online service;

determining if the requested online service is locally stored on the local point of presence;

determining if the requested online service is downloadable by the local point of presence by checking a service cache record for a service ID associated with the requested online service, wherein if the requested service ID is not listed in the service cache record, the online service is not downloadable by the local point of presence;

in response to determining that the requested online service is not locally stored and is downloadable, downloading the requested online service from a remote host computer hosting the requested online service; and

storing the downloaded online service on the local point of presence.

2.   (Canceled)

3. (Original) The method of Claim 1 further comprising executing the requested online service on the local point of presence.

4. (Original) The method of Claim 1, wherein the requested online service is locally stored in cache memory.

5. (Canceled)

6. (Original) The method of Claim 1, wherein downloading the requested online service comprises downloading the online service object code.

7. (Original) The method of Claim 1, wherein downloading the requested online service comprises downloading data associated with the requested online service.

8. (Original) The method of Claim 1 further comprising:

maintaining an age limit for the requested online service;

determining an age of the requested online service locally stored on the local point of presence, the age being a time duration since the online service was last accessed; and

in response to determining that the age exceeds the age limit, removing the locally stored online service from the local point of presence.

9. (Original) The method of Claim 1 further comprising receiving one or more caching properties for a locally stored online service.

10.   (Currently amended) A computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to:

receive a request to access an online service;

determine if the requested online service is locally stored on a local point of presence;

determine if the requested online service is downloadable by the local point of presence by checking a service cache record for a service ID associated with the requested online service, wherein if the requested service ID is not listed in the service cache record, the online service is not downloadable by the local point of presence;

in response to determining that the requested online service is not locally stored and is dowloadable, download the requested online service from a remote host computer hosting the requested online service to the local point of presence; and

store the downloaded online service on the local point of presence.

11.   (Previously presented) The computer-readable storage medium of Claim 10, wherein the computer that executes the computer instructions is a component of the local point of presence.

12.   (Canceled)

13.   (Original) The computer-readable storage medium of Claim 10, wherein the computer instructions that receive a request to access an online service further comprise computer instructions that, when executed by a computer, cause the computer to execute the requested online service on the local point of presence.

14.   (Original) The computer-readable storage medium of Claim 10, wherein the requested online service is locally stored in cache memory.

15.   (Canceled)

16.   (Original) The computer-readable storage medium of Claim 10, wherein the downloaded online service comprises the online service object code.

17.   (Original) The computer-readable storage medium of Claim 10, wherein the downloaded online service comprises the data associated with the online service.

18.   (Original) The computer-readable storage medium of Claim 10, wherein the computer instructions that receive a request to access an online service further comprise computer instructions that, when executed by a computer, cause the computer to:

maintain an age limit for the requested online service;

determine an age of the requested online service locally stored on the local point of presence, the age being a time duration since the online service was last accessed; and

in response to determining that the age exceeds the age limit, remove the locally stored online service from the local point of presence.

19.   (Original) The computer-readable storage medium of Claim 10, wherein the computer instructions that receive a request to access an online service further comprise computer instructions that, when executed by a computer, cause the computer to receive one or more caching properties for a locally stored online service.

20.   (Currently amended) A service caching system for locally storing a requested online service, the online service being hosted on a remote host computer, the system comprising:

means for maintaining a record of a plurality of online services locally stored on a local point of presence;

means for receiving a request to access an online service;

means for determining if the requested online service is locally stored on the local point of presence;

means for determining if the requested online service is downloadable by the local point of presence by checking a service cache record for a service ID associated with the requested online service, wherein if the requested service ID is not listed in the service cache record, the online service is not downloadable by the local point of presence;

in response to determining that the requested online service is not locally stored and is downloadable, means for downloading the requested online service from a remote host computer hosting the requested online service; and

means for storing the downloaded online service on the local point of presence.

21. (Previously presented) The method of Claim 1, wherein the requested online service comprises one or more of an electronic business card service, an electronic travel reservation service, an electronic retail service, and an electronic calendar service.

22. (Previously presented) The method of Claim 1, wherein determining if the requested online service is locally stored comprises checking service cache records for a service cache record associated with the requested online service.

23. (Previously presented) The method of Claim 22, wherein determining if the requested online service is locally stored further comprises checking the service cache record associated with the requested online service for an indication that the requested online service is locally stored.

24. (Previously presented) The method of Claim 23, wherein downloading the requested service occurs in response to a service cache record associated with the requested online service being found but no indication that the requested online service is locally stored being found in association with the service cache record.

25. (Previously presented) The method of Claim 1, further comprising determining what components of the requested online service to request and download prior to downloading the requested service.

26. (Previously presented) The method of Claim 25, wherein determining what components to request and download comprises checking service cache records that include caching properties entries that indicate which portions of an online service can be locally stored.

27-28. (Canceled)

29. (Previously presented) The system of Claim 20, further comprising means for executing the requested online service on the local point of presence.

30. (Previously presented) The system of Claim 20, wherein the means for downloading the requested online service comprise means for downloading the online service object code.

31. (Previously presented) The system of Claim 20, wherein the means for downloading the requested online service comprise means for downloading data associated with the requested online service.

32. (Previously presented) The system of Claim 20, further comprising:

means for maintaining an age limit for the requested online service;

means for determining an age of the requested online service locally stored on the local point of presence, the age being a time duration since the online service was last accessed; and

in response to determining that the age exceeds the age limit, means for removing the locally stored online service from the local point of presence.

33.   (Previously presented) The system of Claim 20, further comprising means for receiving one or more caching properties for a locally stored online service.

34.   (Previously presented) The system of Claim 20, wherein the means for determining if the requested online service is locally stored comprise means for checking service cache records for a service cache record associated with the requested online service and for checking the service cache record associated with the requested online service for an indication that the requested online service is locally stored.

35.   (Previously presented) The system of Claim 34, wherein the means for downloading the requested service acts in response to a service cache record associated with the requested online service being found but no indication that the requested online service is locally stored being found in association with the service cache record.

36.   (Currently amended) The system of Claim ~~4~~ 20, further comprising means for determining what components of the requested online service to request and download prior to downloading the requested service.

37.   (Previously presented) The system of Claim 36, wherein the means for determining what components to request and download comprise means for checking

service cache records that include caching properties entries that indicate which portions of an online service can be locally stored.